

Abstract

In an atomizer device for the production of a liquid-gas mixture (4), the mixture (4) is introduced, particularly for compression, into a nozzle arrangement (3) in which the kinetic energy of the mixture (4) is in large part converted into compression energy by a pressure rise of the air.

The atomizer device (2) includes a central air feed (16) and a nozzle chamber (18) for the supply of liquid surrounding the air feed. At or in the atomizing device, means (17) are arranged in the nozzle chamber for producing a swirled liquid flow in the nozzle chamber (18), and the swirled liquid flow emerges via a nozzle aperture (19) surrounding the air feed.

(Fig. 2)